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November 1963

PHOTOGRAPHIC INTERPRETATION REPORT

SPECIAL SUMMARY FROM LEAD SEAT MISSIONS

6010, 16 OCTOBER 1963
6011, 18 OCTOBER 1963

Declass review-NIMA/DOD

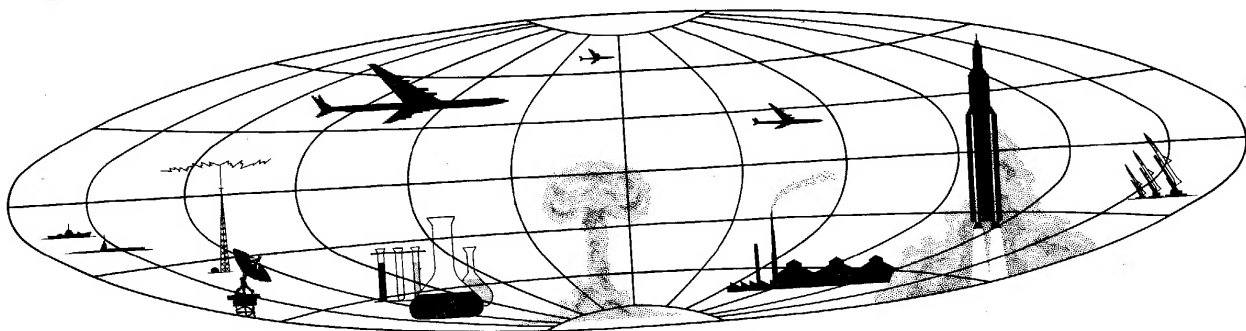


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SPECIAL SUMMARY FROM LEAD SEAT MISSIONS

6010, 16 OCTOBER 1963

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NPIC/R-1565/63

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REF ID: A661565/63

PREFACE

The following is a special summary report on selected Indonesian targets from LEAD SEAT Missions 6010 and 6011, flown 16 and 18 October 1963, respectively.

Targets are arranged by 1) subject, 2) within a subject by WAC area, and 3) within a WAC area by coordinates reading from north to south and from west to east. The COMOR target number, where applicable, has been placed on the line immediately following the summary information for each target.

For the convenience of the user, an alphabetical listing of targets has been included following the summary

information section. Column headings, photo reference data, and symbols indicating conditions which affect the appearance of the target on the photography are explained in the appendix.

The user of the summary is cautioned that the scan of photography was accomplished in a relatively short time and often without the aid of precise analytical and mensural techniques commonly employed in detailed photographic analysis. Consequently, although the information presented herein is essentially accurate, it may be altered somewhat by additional detailed analysis.

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City, Installation	Coordinates	WAC	Installation Numbers	
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<p><u>MISSILES</u></p> <p>DJAKARTA SAM SITE B29-2 13.5 NM NW OF DJAKARTA ON NORTH EDGE OF KAMPUNGMELAJU AT UTM COORDINATES QR788127. COMPLETED, DOUBLE-FENCED SA-2 SAM SITE CONTAINS 6 OCCUPIED LAUNCH REVETMENTS (3 WITH MISSILES ON LAUNCHERS), AN OCCUPIED GUIDANCE REVETMENT WITH FAN SONG RADAR, 4 SHORT AND 2 LONG VAN TRAILERS (CABLE AND CABLE SCARS OBSERVED CONNECTING VAN TRAILERS, RADAR, AND LAUNCHERS), 3 EMPTY MISSILE HOLD REVETMENTS AND 3 ASSOCIATED BUNKERS, 8 CANVAS-COVERED MISSILE TRANSPORTERS AND ONE UNCOVERED MISSILE TRANSPORTER (EMPTY). SUPPORT FACILITIES INCLUDE 4 BARRACKS, 5 ADMINISTRATION, 3 PROBABLE VEHICLE STORAGE, AND 2 STORAGE/SUPPORT BUILDINGS. ONE PROBABLE POL TRUCK, AND 2 PROBABLE UTILITY TRAILERS OBSERVED. COMOR TARGET NO. [REDACTED] (SEE ATTACHMENT 1.) [REDACTED]</p>	0603S 10638E	0982	25X1A [REDACTED]	33-R
<p>DJAKARTA SAM HOLDING AREA .7 NM WEST OF PANGKALAN AND IMMEDIATELY SOUTH OF HALIM PERDANAKUSUMA AIRFIELD. SAM HOLDING AREA CONTAINS 2 RADAR PADS, A LOOP ROAD WITH 6 REVETTED HARDSTANDS, 4 QUONSET HUTS, 4 PROBABLE STORAGE BUILDINGS, AND APPROXIMATELY 10 ASSOCIATED BUILDINGS. HAZE AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION.</p>	0615S 10653E	0982	[REDACTED]	1-B

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COMOR TARGET NO. [REDACTED] [REDACTED] DJAKARTA SAM SITE B17-2 15 NM SOUTH OF DJAKARTA AND .5 NM WEST OF DJAKARTA-BOGOR HIGHWAY AT UTM COORDINATES QX006714. COMPLETED, SECURED SA-2 SAM SITE CONTAINS 6 CANVAS-COVERED REVETTED LAUNCHERS (NONE APPEAR TO HAVE MISSILES), AN OCCUPIED GUIDANCE REVETMENT WITH 4 SHORT AND 2 LONG VAN TRAILERS AND POSSIBLE FAN SONG RADAR, 3 MISSILE HOLD REVETMENTS (ONE WITH COVERED MISSILE TRANSPORTER), AND 3 BUNKERS ADJACENT TO MISSILE HOLD REVETMENT. SUPPORT FACILITIES INCLUDE 4 BARRACKS, 5 ADMINISTRATION, 3 PROBABLE VEHICLE STORAGE, AND 2 STORAGE/SUPPORT BUILDINGS. ONE POSSIBLE TRUCK TRACTOR OBSERVED. COMOR TARGET NO. [REDACTED] (SEE ATTACHMENT 2.) [REDACTED] KALIDJATI SAM TRAINING CENTER 23.5 NM NNE OF BANDUNG AND IMMEDIATELY NE OF EAST END OF KALIDJATI AIRFIELD RUNWAY AT 06-32-52S 107-39-53E, UTM COORDINATES QX918617. SECURED SA-2 SAM SITE INCLUDES 6 REVETTED SA-2 MISSILE LAUNCHERS, ONE FAN SONG RADAR AND 6 VANS IN GUIDANCE AREA. ADJACENT TO SITE ARE 66 CANVAS-COVERED PROBABLE MISSILES ON TRANSPORTERS, 8 SA-2 MISSILE LAUNCHERS, AND 7 SUPPORT BUILDINGS. TWO BARRACKS AREAS, ONE IMMEDIATELY NORTH AND	0624S 10650E	0982	25X1A [REDACTED]	96
	0632S 10739E	0982	[REDACTED]	14-A

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<p>THE OTHER IMMEDIATELY WEST OF SAM SITE, CONTAIN A TOTAL OF 50 BARRACKS AND 3 ADMINISTRATION AND APPROXIMATELY 20 SUPPORT BUILDINGS. SECURED COMMUNICATIONS SITE IMMEDIATELY NORTH OF SAM SITE COMPRISES 2 STICK MASTS AND A CONTROL BUILDING. COMOR TARGET NO. [REDACTED]</p> <p><u>AIR INSTALLATIONS</u></p> <p>HALIM PERDANAKUSUMA AIRFIELD 6 NM SE OF DJAKARTA AND .7 NM WEST OF PANGKALAN. APPROXIMATELY 8,000 X 200 FT ENE/WSW PROBABLE ASPHALT RUNWAY, SERVICEABLE. FACILITIES INCLUDE PARALLEL TAXIWAY, 2 APPROXIMATELY 4,400 X 190 FT NNW/SSE TAXIWAYS WITH 24 HARDSTANDS, ONE MEDIUM AND 3 LARGE HANGARS WITH CONCRETE APRONS AT EACH END, CONTROL TOWER, AND NUMEROUS BARRACKS AND SUPPORT BUILDINGS. AIRCRAFT -- 7 LARGE STRAIGHT-WING, 13 MEDIUM STRAIGHT-WING, AND 8 SMALL UNIDENTIFIED. HAZE AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION. COMOR TARGET NO. [REDACTED]</p> <p>TJURUG AIRFIELD SW EDGE OF TJURUG AND 6 NM SW OF TANGERANG. APPROXIMATELY 5,200 X 150 FT NE/SW BLACKTOP RUNWAY, SERVICEABLE. APPROXIMATELY 3,250 X 110 FT NE/SW, PROBABLY GRADED EARTH RUNWAY.</p>	<p>0615S 10653E</p> <p>0618S 10634E</p>	<p>0982</p> <p>0982</p>	<p>25X1A [REDACTED]</p>	<p>1</p> <p>12</p>

25X1A
25X1D

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<p>SERVICEABLE. APPROXIMATELY 3,000 X 150 FT NW/SE. BLACKTOP RUNWAY, APPEARS UNSERVICEABLE. FACILITIES INCLUDE 2 TAXIWAYS BETWEEN PARALLEL RUNWAYS, 2 TAXI LINKS BETWEEN NW/SE RUNWAY AND PARKING APRON, AND 4 LARGE DOUBLE-BAY HANGARS. NUMEROUS SUPPORT BUILDINGS AND SMALL PROBABLE BARRACKS AREA ON NORTH SIDE OF AIRFIELD. AIRCRAFT -- 3 SINGLE-ENGINE STRAIGHT-WING TRAINERS.</p> <p>25X1D [REDACTED]</p>				
<p>SEMPLOK AIRFIELD 1.3 NM NW OF SEMPLAK AND 4 NM NW OF BOGOR. TWO RUNWAYS, APPROXIMATELY 5,000 X 300 FT N/S AND APPROXIMATELY 3,000 X 300 FT ESE/WWN, BOTH SOD RUNWAYS AND SERVICEABLE. FACILITIES INCLUDE 2 LARGE HANGARS, 4 SMALLER HANGARS, AND 2 PARKING APRONS. SMALL PROBABLE BARRACKS AREA OBSERVED ON EAST SIDE OF AIRFIELD. AIRCRAFT -- 3 PROBABLE HOUND HELICOPTERS (ONE WITHOUT ROTOR BLADES). COMOR TARGET NO. [REDACTED] (SEE ATTACHMENT 3.)</p> <p>25X1A [REDACTED]</p> <p>25X1D [REDACTED]</p>	0632S 10645E	0982	25X1A [REDACTED]	10
<p>KALIDJATI AIRFIELD IMMEDIATELY SW OF KALIDJATI AND 6 NM WNW OF SUBANG. APPROXIMATELY 4,600 X 400 FT E/W SOD RUNWAY, SERVICEABLE. APPROXIMATELY 4,600 X 250 FT NNE/SSW SOD RUNWAY, PROBABLY UNSERVICEABLE. APPROXIMATELY 4,600 X 300 FT E/W SOD RUNWAY,</p>	0633S 10740E	0982		14

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PROBABLY SERVICEABLE. FACILITIES INCLUDE DOUBLE HANGAR AND NUMEROUS SUPPORT BUILDINGS ON NORTH SIDE OF AIRFIELD AND CONCRETE PARKING APRON AND MULTIBAY HANGAR ON SOUTH EDGE. SAM TRAINING CENTER OBSERVED IMMEDIATELY NE OF EAST END OF FIELD. AIRCRAFT -- NONE OBSERVED.			25X1A	
SEMARANG SEAPLANE STATION NO SEAPLANE RAMPS, FACILITIES, OR SEAPLANES OBSERVED IN SEMARANG AREA. COMOR TARGET NO.	0656S 11024E	0982		35-E
MOROKREMBANGAN SEAPLANE STATION 3 NM NW OF SURABAJA AND .8 NM WEST OF TANDJUNGPERAK AIRFIELD. FACILITIES INCLUDE 8 RAMPS AND 3 PIERS ON NORTH AND WEST SIDES OF FACILITY, 15 HANGARS, AND 13 MULTIWING PROBABLE CLASSROOM, 2 MULTISTORY ADMINISTRATION, 8 OTHER ADMINISTRATION, 2 H-SHAPED (UNDER CONSTRUCTION), AND NUMEROUS MAINTENANCE/ WAREHOUSE BUILDINGS. AREA IS SECURED. TAXIWAY CONNECTS SEAPLANE STATION WITH TANDJUNGPERAK AIRFIELD. AIRCRAFT --- 2 POSSIBLE MUSTANG AND ONE PROBABLE CATALINA.	0712S 11242E	0983		4
TANDJUNGPERAK AIRFIELD NW EDGE OF SURABAJA.	0713S 11243E	0983		3

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<p>TWO ASPHALT RUNWAYS, 4,920 X 130 FT N/S AND 4,620 X 130 FT WNW/ESE, BOTH SERVICEABLE. FOUR INTERCONNECTING TAXIWAYS AND ONE TAXIWAY CONNECT MOROKREMBANGAN SEAPLANE STATION WITH TANDJUNGPERAK AIRFIELD. FACILITIES INCLUDE HANGAR, OPERATIONS BUILDING, CONTROL TOWER, 7 MAINTENANCE BUILDINGS, 7 SUPPORT BUILDINGS, AND POL STORAGE AREA AT SE EDGE OF FIELD. SURABAJA RADAR STATION WHICH CONTAINS A PROBABLE RADAR TRAINING SCHOOL IS LOCATED 0.4 NM SSW OF THE RUNWAY JUNCTION. AIRCRAFT -- 3 CAB, ONE CRATE, AND ONE COLT. COMOR TARGET NO. [REDACTED]</p>				
<p>WARU NAVAL AIR STATION 8 NM SSE OF SURABAJA. 9,600 X 230 FT E/W ASPHALT RUNWAY, SERVICEABLE. FACILITIES INCLUDE 3 INTERCONNECTING LOOP TAXIWAYS CONNECTING RUNWAY WITH PARALLEL TAXIWAY AND WITH 2 LARGE PARKING APRONS (STILL UNDER CONSTRUCTION), A CONTROL TOWER, POL STORAGE AREA WITH 4 SEMIBURIED TANKS, AND NUMEROUS SUPPORT BUILDINGS IN VARIOUS STAGES OF CONSTRUCTION. A PROBABLE ASPHALT BATCHING PLANT IS LOCATED ON THE NORTH EDGE OF THE RUNWAY. NO ELECTRONICS OR DEFENSES OBSERVED. COMOR TARGET NO. [REDACTED] (SEE ATTACHMENT 4.)</p>	0722S 11244E	0983	25X1A [REDACTED]	12
<p>REMBIGA AIRFIELD ONE NM ENE OF AMPENAN.</p>	0833S 11605E	1101	[REDACTED]	6

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25X1D 25X1D	<p>4,300 X 100 FT E/W, ASPHALT RUNWAY, SERVICEABLE. SMALL SUPPORT AREA AND PROBABLE POL OBSERVED ON SOUTH SIDE OF RUNWAY. AIRCRAFT --- NONE OBSERVED.</p> <p>[REDACTED]</p>	0830S 11725E	1101	25X1A [REDACTED]	2
25X1D	<p>SUMBAWA-BESAR AIRFIELD IMMEDIATELY WEST OF SUMBAWA-BESAR. 4,200 X 190 FT NW/SE PROBABLY GRADED EARTH RUNWAY, SERVICEABLE. FACILITIES INCLUDE SMALL SUPPORT AREA, TAXIWAY AND PARKING APRON ON NE SIDE OF AIRFIELD. ONE TRUCK OBSERVED IN SUPPORT AREA. AIRCRAFT --- NONE OBSERVED.</p> <p>[REDACTED]</p>				
25X1D	<p><u>MILITARY INSTALLATIONS</u></p> <p>BAMBURAMNGAN, MILITARY CAMP .6 NM WEST OF BAMBURAMNGAN AT UTM COORDINATES QW968866. MILITARY CAMP CONTAINS 34 PROBABLE BARRACKS, 8 LARGE MULTI-WING ADMINISTRATION BUILDINGS, 21 PROBABLE HOUSES, APPROXIMATELY 20 STORAGE/ SUPPORT BUILDINGS AND 2 VEHICLE SHEDS. TWENTY-FIVE PROBABLE BARRACKS OR STORAGE BUILDINGS OBSERVED UNDER CONSTRUCTION ON NORTH EDGE OF CAMP. AT LEAST 50 UNIDENTIFIED VEHICLES OBSERVED IN AREA. HAZE AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION.</p> <p>[REDACTED]</p>	0617S 10648E	0982		84-A
25X1D 25X1D	[REDACTED]				

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<p>LENTENGAGUNG, POSSIBLE MILITARY AREA 6.2 NM SSE OF DJAKARTA AND 2 NM NNW OF LENTENGAGUNG AT UTM COORDINATES QX024855. POSSIBLE MILITARY CAMP CONTAINS 6 MULTIWING, ONE LARGE MONITOR-ROOF PROBABLE SHOP, 3 LONG AND 7 SMALLER GABLE-ROOF BUILDINGS. FIVE POSSIBLE VEHICLES OBSERVED IN AREA.</p>	0618S 10651E	0982		61
<p>DJAKARTA ARMY BARRACKS SOUTH PASARREBO NW 6.5 NM SOUTH OF DJAKARTA AT UTM COORDINATES QX017869. MILITARY CAMP CONTAINS 34 BARRACKS AND 9 ADMINISTRATION AND 62 STORAGE/SUPPORT BUILDINGS. PROBABLE STOCKADE, ON SE EDGE OF CAMP, CONTAINS 4 BARRACKS, ONE ADMINISTRATION BUILDING, AND 2 POSSIBLE GUARD HOUSES (ENCLOSED BY PATROL LANES AND PROBABLE DOUBLE SECURITY FENCE).</p>	0618S 10651E	0982	25X1A	62
<p>RAWABADAK AREA, MILITARY COMPLEX 1.4 NM EAST OF RAWABADAK AT UTM COORDINATES QW983794. COMPLEX COMPRISES 3 SEPARATE, CLOSELY ASSOCIATED MILITARY CAMPS. TWO SECURED AREAS CONTAIN A TOTAL OF 75 BARRACKS, 23 PROBABLE ADMINISTRATION, AND 21 STORAGE/SUPPORT BUILDINGS, 5 VEHICLE SHEDS, AND 2 WATER TOWERS. PROBABLE ADMINISTRATION AND HOUSING AREA BETWEEN THE SECURED AREAS CONTAINS 7 PROBABLE ADMINISTRATION BUILDINGS, 5 BARRACKS, AND 25</p>	0621S 10649E	0982		84-B

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25X1D	SMALL HOUSES IN 5 ROWS. TWENTY CARGO TRUCKS, 7 PROBABLE UTILITY TRUCKS, AND APPROXIMATELY 8 UNIDENTIFIED PIECES OF EQUIPMENT OBSERVED.				
25X1D	TJIBINONG AREA, MILITARY CAMPS TWO MILITARY CAMPS IN TJIBINONG VICINITY.	0628S 10651E	0982		96-A
25X1D	AREA A (1.9 NM WNW OF TJIBINONG AT UTM COORDINATES QX002720) -- 2 ADJACENT, IDENTICAL SUBAREAS CONTAIN A TOTAL OF 48 BARRACKS, 10 ADMINISTRATION AND 72 STORAGE/ SUPPORT BUILDINGS.				
25X1D	AREA B (1.3 NM SSW OF TJIBINONG AT UTM COORDINATES QX011668) -- APPROXIMATELY 200 BUILDINGS. HAZE AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION.				
25X1D	BOGOR AREA, MILITARY INSTALLATION 2.5 NM NNE OF BOGOR AT UTM COORDINATES QW970579.	0634S 10649E	0982		10-C
25X1D	LARGE MILITARY INSTALLATION CONTAINS AT LEAST 250 BUILDINGS. HAZE AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION.			25X1A	
25X1D	SURABAJA NAVAL BASE AND SHIPYARD NORTH EDGE OF SURABAJA.	0712S 11244E	0983		5-H
25X1D	FACILITIES COMPRISE A BASE HEADQUARTERS AND 10 ASSOCIATED ADMINISTRATION BUILDINGS, A				

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25X1D

PROBABLE MILITARY HOUSING AREA (VEGETATION AND
OBLIQUITY PRECLUDE DETAILED INTERPRETATION),
APPROXIMATELY 50 STORAGE BUILDINGS,
APPROXIMATELY 20 REPAIR AND MAINTENANCE
SHOPS, 2 COVERED GRAVING DOCKS, 2 FLOATING
DRYDOCKS, ONE WHARF, 7 QUAYS, 2 POL PIERS, AND
15 OTHER PIERS.
VESSELS -- 5 W-CLASS SUBMARINES, 4 SKORYY-
CLASS DESTROYERS, 2 RIGA-CLASS DESTROYER
ESCORTS, 2 FRIGATES, ONE DON-CLASS SUBTENDER,
2 ATREK-CLASS SUBTENDERS, 30 MINOR SURFACE-
TYPES, 2 LST, AND ONE LARGE TANKER.
COMOR TARGET NO. [REDACTED]

25X1D

SURABAJA ORDNANCE DEPOT SW SEPANDJANG
5.4 NM SW OF SURABAJA.
PARTIALLY SECURED AREA CONTAINS 50 BARRACKS,
15 BARRACKS-TYPE BUILDINGS UNDER CONSTRUCTION,
6 PROBABLE VEHICLE MAINTENANCE SHEDS, AND 3
ADMINISTRATION, 3 ADMINISTRATION/SUPPORT,
AND APPROXIMATELY 50 SMALL ASSOCIATED
BUILDINGS, AN OVAL TEST TRACK, AND A CROSS-
COUNTRY TESTING FACILITY IMMEDIATELY WEST OF
DEPOT.
APPROXIMATELY 40 PROBABLE FA PIECES, 3
POSSIBLE AAA PIECES, 10 POSSIBLE VANS, 39
POSSIBLE CANVAS-COVERED VEHICLES, AND
SEVERAL UNIDENTIFIED PIECES OF EQUIPMENT
OBSERVED.

KUPANG AREA, MILITARY CAMP
MILITARY CAMP COMPRISES 4 SEPARATE AREAS SE OF
KUPANG. (AREAS REFERENCED FROM KUPANG).

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PROBABLE MILITARY HOUSING AREA (VEGETATION AND OBLIQUITY PRECLUDE DETAILED INTERPRETATION), APPROXIMATELY 50 STORAGE BUILDINGS, APPROXIMATELY 20 REPAIR AND MAINTENANCE SHOPS, 2 COVERED GRAVING DOCKS, 2 FLOATING DRYDOCKS, ONE WHARF, 7 QUAYS, 2 POL PIERS, AND 15 OTHER PIERS. VESSELS -- 5 W-CLASS SUBMARINES, 4 SKORYY- CLASS DESTROYERS, 2 RIGA-CLASS DESTROYER ESCORTS, 2 FRIGATES, ONE DON-CLASS SUBTENDER, 2 ATREK-CLASS SUBTENDERS, 30 MINOR SURFACE- TYPES, 2 LST, AND ONE LARGE TANKER. COMOR TARGET NO. [REDACTED]				
SURABAJA ORDNANCE DEPOT SW SEPANDJANG 5.4 NM SW OF SURABAJA. PARTIALLY SECURED AREA CONTAINS 50 BARRACKS, 15 BARRACKS-TYPE BUILDINGS UNDER CONSTRUCTION, 6 PROBABLE VEHICLE MAINTENANCE SHEDS, AND 3 ADMINISTRATION, 3 ADMINISTRATION/SUPPORT, AND APPROXIMATELY 50 SMALL ASSOCIATED BUILDINGS, AN OVAL TEST TRACK, AND A CROSS- COUNTRY TESTING FACILITY IMMEDIATELY WEST OF DEPOT. APPROXIMATELY 40 PROBABLE FA PIECES, 3 POSSIBLE AAA PIECES, 10 POSSIBLE VANS, 39 POSSIBLE CANVAS-COVERED VEHICLES, AND SEVERAL UNIDENTIFIED PIECES OF EQUIPMENT OBSERVED.	0721S 11240E	0983	25X1A [REDACTED]	5-R
KUPANG AREA, MILITARY CAMP MILITARY CAMP COMPRISES 4 SEPARATE AREAS SE OF KUPANG. (AREAS REFERENCED FROM KUPANG).	1011S 12336E	1100		14-A

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AREA B (2.9 NM SSE AT UTM COORDINATES
ZQ402319) -- 7 BARRACKS AND 8 SUPPORT
BUILDINGS.

AREA C (4 NM SSE AT UTM COORDINATES
ZQ405304) -- 10 POSSIBLE BARRACKS AND ONE
MULTIWING ADMINISTRATION,
ONE ADMINISTRATION/SUPPORT, AND 2
STORAGE/SUPPORT BUILDINGS.

AREA D (4.4 NM SSE AT UTM COORDINATES
ZQ339293) -- ONE POSSIBLE BARRACKS, 7
ADMINISTRATION BUILDINGS, ONE MULTIWING
ADMINISTRATION BUILDING UNDER CONSTRUCTION,
AND APPROXIMATELY 80 HOUSES.

ELECTRONICS/COMMUNICATIONS

DEPOK AREA, COMMUNICATIONS STATION
2 NM ENE OF DEPOK AT UTM COORDINATES QX024762.
LOW FREQUENCY BROADCASTING STATION COMPRISES 2
HORIZONTAL RADIATORS (EACH CONSISTING OF 2
SELF-SUPPORT LATTICE MASTS), A TRANSMISSION
BUILDING, 2 ASSOCIATED BUILDINGS, AND A LARGE
BUILDING UNDER CONSTRUCTION. STICK MAST
OBSERVED NEAR THE CONTROL BUILDING.

0624N 10651E

9982

96-B

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			BE	NPIC
<p>SURABAJA RADAR STATION 2.5 NM NW OF SURABAJA AT SE EDGE OF MOROKREMBANGAN SEAPLANE STATION AND .4 NM SSW OF RUNWAY JUNCTION OF TANJUNGPERAK AIRFIELD. SECURED PROBABLE RADAR TRAINING SCHOOL COMPRISES 2 TOKEN-TYPE RADARS (EACH SUPPORTED BY 4 VANS) AND 2 MULTIWIN PROBABLE CLASSROOM BUILDINGS. FOUR POSSIBLE UTILITY TRUCKS AND 10 POSSIBLE TRAILERS OBSERVED. COMOR TARGET NO. [REDACTED] (SEE ATTACHMENT 5.)</p>	0713S 11243E	0983	25X1A [REDACTED]	5-G
<p><u>BASIC SERVICES</u></p> <p>MADJA AREA, CLASSIFICATION YARD 1.5 NM WEST OF MADJA. CLASSIFICATION YARD COMPRISES 14 THROUGH-SIDINGS, A REPAIR SHOP, A TURNTABLE, 2 SWITCH TOWERS, AND 3 SMALL ASSOCIATED BUILDINGS. APPROXIMATELY 100 RAILROAD CARS INCLUDING FREIGHT, TANK, FLAT AND GONDOLA CARS OBSERVED. [REDACTED]</p>	0625S 10727E	0982	[REDACTED]	48-A
<p>SEMARANG RAILROAD YARDS AND SHOPS 1.8 NM NNE OF SEMARANG. LARGE CLASSIFICATION YARDS CONTAIN 42 TRACKS, TURNING WYE, TURNTABLE, 2 LOCOMOTIVE SHEDS, ADMINISTRATION BUILDING, 5 SUPPORT BUILDINGS, AND CAR REPAIR FACILITY WITH 10 LARGE SHOPS, ADMINISTRATION BUILDING, SEVERAL SMALL SUPPORT BUILDINGS, AND 2 TRAVERSERS.</p>	0657S 11026E	0982	[REDACTED]	35-A

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p>AT LEAST 1,000 VARIOUS TYPE RAILROAD CARS OBSERVED IN YARDS AND SHOPS.</p> <p>[REDACTED]</p>			25X1A	
<p>SURABAJA RR CLASSIFICATION YARDS KALI MAS NORTH EDGE OF SURABAJA. LARGE CLASSIFICATION YARD COMPRISES 20 THROUGH-SIDINGS, CAR SHED WITH 4 THROUGH-SIDINGS, AND ONE OTHER SHED. SEVEN ENGINES AND APPROXIMATELY 250 RAILROAD CARS OBSERVED.</p> <p>[REDACTED]</p>	0713S 11244E	0983	[REDACTED]	5-J
<p>SURABAJA RR STATION YARDS AND SHOPS SIDOTOPO NE EDGE OF SURABAJA. FACILITIES INCLUDE PASSENGER STATION, LOCOMOTIVE SHED WITH 7 THROUGH-SIDINGS, TURNTABLE, 5 SMALL REPAIR SHEDS, AND CLASSIFICATION YARD WITH 17 THROUGH-SIDINGS. TWENTY-TWO ENGINES, 39 PASSENGER CARS, AND APPROXIMATELY 550 OTHER RAILROAD CARS OBSERVED.</p> <p>[REDACTED]</p>	0714S 11245E	0983	[REDACTED]	5-L
<p><u>PORTS AND HARBORS</u></p> <p>SEMARANG PORT FACILITIES NORTH EDGE OF SEMARANG AT MOUTH OF THE KALI BARU (RIVER). PORT FACILITIES COMPRISE OFF SHORE ANCHORAGE FOR DEEP DRAFT VESSELS APPROXIMATELY 1.5 NM NORTH OF PORT AND HARBOR FACILITIES FOR SMALL CRAFT AT MOUTH OF KALI BARU (RIVER). HARBOR IS PROTECTED BY 2 OFF SHORE MOLES</p>	0657S 11026E	0982	[REDACTED]	35

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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X1D	<p>APPROXIMATELY 1,000 FT LONG AND 550 FT APART. FACILITIES ARE RAIL-SERVED AND INCLUDE ONE T-HEAD POL HANDLING PIER AT HARBOR ENTRANCE, 6 SMALL FLOATING WHARVES, AND EXTENSIVE ON-SHORE WHARVES FOR SMALL CRAFT, AND APPROXIMATELY 50 WAREHOUSE-TYPE, 6 ADMINISTRATION, AND APPROXIMATELY 25 SUPPORT BUILDINGS. VESSELS -- ONE TANKER, ONE FREIGHTER, 2 PC, AND NUMEROUS SMALL CRAFT.</p> <p>[REDACTED]</p>				
25X1D	<p>KAMAL, PORT FACILITIES SOUTH EDGE OF KAMAL. PORT FACILITIES COMPRISE 4 PIERS, ONE MOLE, 3 TRANSIT STORAGE SHEDS, AND A SMALL RAILROAD CLASSIFICATION YARD. VESSELS -- ONE SMALL UNIDENTIFIED VESSEL.</p> <p>[REDACTED]</p>	0711S 11243E	0983		10
25X1D	<p>SURABAJA PORT FACILITIES NORTH EDGE OF SURABAJA, ONE NM WSW OF NAVAL BASE. PORT FACILITIES COMPRISE 80 STORAGE BUILDINGS, SHIPYARD WITH ONE SHIPBUILDING WAY, 3 FLOATING DRYDOCKS, 2 MARINE RAILWAYS, 3 GRAVING DOCKS, ONE OIL WHARF, AND 14 OTHER WHARVES. VESSELS -- 22 LARGE FREIGHTERS, 15 SMALL FREIGHTERS, ONE LST, ONE FLOATING CRANE, AND NUMEROUS SMALLER CRAFT.</p> <p>[REDACTED]</p>	0712S 11244E	0983	25X1A [REDACTED]	5-A
25X1D	<p>PANARUKAN, PORT FACILITIES WNW EDGE OF PANARUKAN ON EDGE OF STRAAT</p>	0741S 11355E	0983		18

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
(STRAIT) MADOERA. PORT FACILITIES COMPRISE ONE PIER, 21 WAREHOUSE BUILDINGS, AND RAILROAD TRANSSHIPMENT FACILITY. VESSELS -- NUMEROUS SMALL FISHING VESSELS. [REDACTED]			25X1A	
25X1D KUPANG PORT FACILITIES AT MOUTH OF KOKOK KUPANG (RIVER) ON NORTH EDGE OF KUPANG. ONE SMALL PIER AND SEVERAL STORAGE BUILDINGS OBSERVED. VESSELS -- 2 LARGE FREIGHTERS AND SEVERAL SMALLER CRAFT (ANCHORED OFF SHORE).	1009S 12336E	1100	[REDACTED]	14
25X1D [REDACTED] SUMBAWA-BESAR, PORT FACILITIES 2 NM NW OF SUMBAWA-BESAR. SMALL DOCK AND ONE WAREHOUSE-TYPE BUILDING OBSERVED. VESSELS -- NONE OBSERVED.	0828S 11724E	1101	[REDACTED]	2-A
25X1D [REDACTED] <u>STORAGE</u> SEMARANG PETROLEUM STORAGE STANVAC 1.5 NM NNW OF SEMARANG ON WEST EDGE OF SEMARANG PORT. RAIL-SERVED, SECURED POL STORAGE AREA CONTAINS 2 VERTICAL AND 4 HORIZONTAL CYLINDRICAL POL STORAGE TANKS, NUMEROUS POL DRUMS IN OPEN STORAGE, ONE LARGE WAREHOUSE-TYPE BUILDING, AND 6 SMALL SUPPORT BUILDINGS. [REDACTED]	0657S 11026E	0982	[REDACTED]	35-C
25X1D [REDACTED]				

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	City, Installation	Coordinates	WAC	Installation Numbers	
				BE	NPIC
25X1D	<p>[REDACTED]</p> <p>SEMARANG PETROLEUM STORAGE SHELL 1.5 NM NE OF SEMARANG. RAIL-SERVED, SECURED POL STORAGE AREA CONTAINS ONE LARGE, 6 MEDIUM, AND 5 SMALL POL STORAGE TANKS, NUMEROUS POL DRUMS IN OPEN STORAGE, ONE PROBABLE POL VEHICLE LOADING FACILITY, AND 5 WAREHOUSE-TYPE, 7 STORAGE/SUPPORT, AND ONE ADMINISTRATION BUILDINGS.</p>	0657S 11027E	0982	25X1A [REDACTED]	35-D
25X1D	<p>[REDACTED]</p> <p>SURABAJA PETROLEUM STR TANDJUNG PERAK GROUP NNW EDGE OF SURABAJA. POL STORAGE AREA CONTAINS 12 VERTICAL STORAGE TANKS AND 3 SMALL ASSOCIATED BUILDINGS.</p>	0712S 11243E	0983	[REDACTED]	5-E
25X1D	<p>[REDACTED]</p> <p>SURABAJA PETROLEUM STORAGE BANDARAN SHELL NORTH EDGE OF SURABAJA. POL STORAGE AREA COMPRISES 22 VERTICAL STORAGE TANKS AND 14 SMALL ASSOCIATED BUILDINGS.</p>	0713S 11244E	0983	[REDACTED]	5-B
25X1D	<p>[REDACTED]</p> <p>SURABAJA PETROLEUM STORAGE PASAR TOERI SHELL NW EDGE OF SURABAJA. AREA CONTAINS 3 VERTICAL POL STORAGE TANKS AND 5 ASSOCIATED BUILDINGS.</p>	0715S 11244E	0983	[REDACTED]	5-C
25X1D	<p>[REDACTED]</p> <p>URBAN COMPLEXES</p> <p>SEMARANG COMPLEX APPROXIMATELY 35 PER CENT OF COMPLEX COVERED</p>	0657S 11026E	0982	[REDACTED]	35-B

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p>BY PHOTOGRAPHY. COMPLEX, APPROXIMATELY 5 SQ MI IN AREA, CONTAINS PORT FACILITIES, RAILROAD YARDS AND SHOPS, POL STORAGE, POSSIBLE MILITARY STORAGE, AND SEVERAL SMALL UNIDENTIFIED INDUSTRIES. COMOR TARGET NO. [REDACTED]</p>			25X1A	
<p>SURABAJA COMPLEX COMPLEX, PARTIALLY COVERED BY PHOTOGRAPHY, INCLUDES A NAVAL BASE AND SHIPYARD, COMMERCIAL PORT, SEAPLANE STATION, AIRFIELD, RAILROAD AND CLASSIFICATION YARDS, NUMEROUS POL STORAGE TANKS, AND LIGHT INDUSTRIES IN NORTH PART OF TOWN. NO MILITARY INSTALLATION OR TROOP CONCENTRATIONS OBSERVED. APPROXIMATELY 1,000 RAILROAD CARS (PRIMARILY BOXCAR AND TANK CAR) OBSERVED. COMOR TARGET NO. [REDACTED]</p>	0715S 11245E	0983		5-F
<p><u>MISCELLANEOUS</u> TJIHOGO AREA, HYDROELECTRIC PWR PLT & DAM U/C 8 NM SW OF TJIHOGO. MASSIVE CYLINDRICAL CONCRETE TOWER UNDER CONSTRUCTION OBSERVED ON TOP OF A LOW EARTHEN DAM. EIGHTEEN SHOP-TYPE BUILDINGS, 2 LARGE CONCRETE BATCHING PLANTS, WORKERS HOUSING, AND NUMEROUS UNIDENTIFIED VEHICLES OBSERVED NORTH AND NE OF CONSTRUCTION SITE.</p>	0632S 10701E	0982		101

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APPENDIX

EXPLANATION OF COLUMN HEADINGS AND PHOTO REFERENCES

COLUMN HEADINGS

City, Installation--This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. Where appropriate, the city and installation names are followed by a capsule description.

Coordinates--Coordinates are referenced to the SW corner of the minute square. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

WAC--This column provides the World Aeronautical Chart number for the area in which the subject installation is situated.

Installation Numbers--This column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the installation. The second subcolumn lists the installation number assigned by NPIC. Installation numbers, when used to

reference an item, should be prefixed by the appropriate WAC number, since installation numbers are repeated from WAC to WAC. For example, there is an NPIC target number 0982-1 and an NPIC target number 0983-1. In each instance, the NPIC installation number is 1, but the installations appear on different WAC charts.

PHOTO REFERENCE DATA

The photo reference data indicates the mission number, camera focal length, and frame(s) on which the installation appears.

CONDITIONS AFFECTING PHOTOGRAPHY

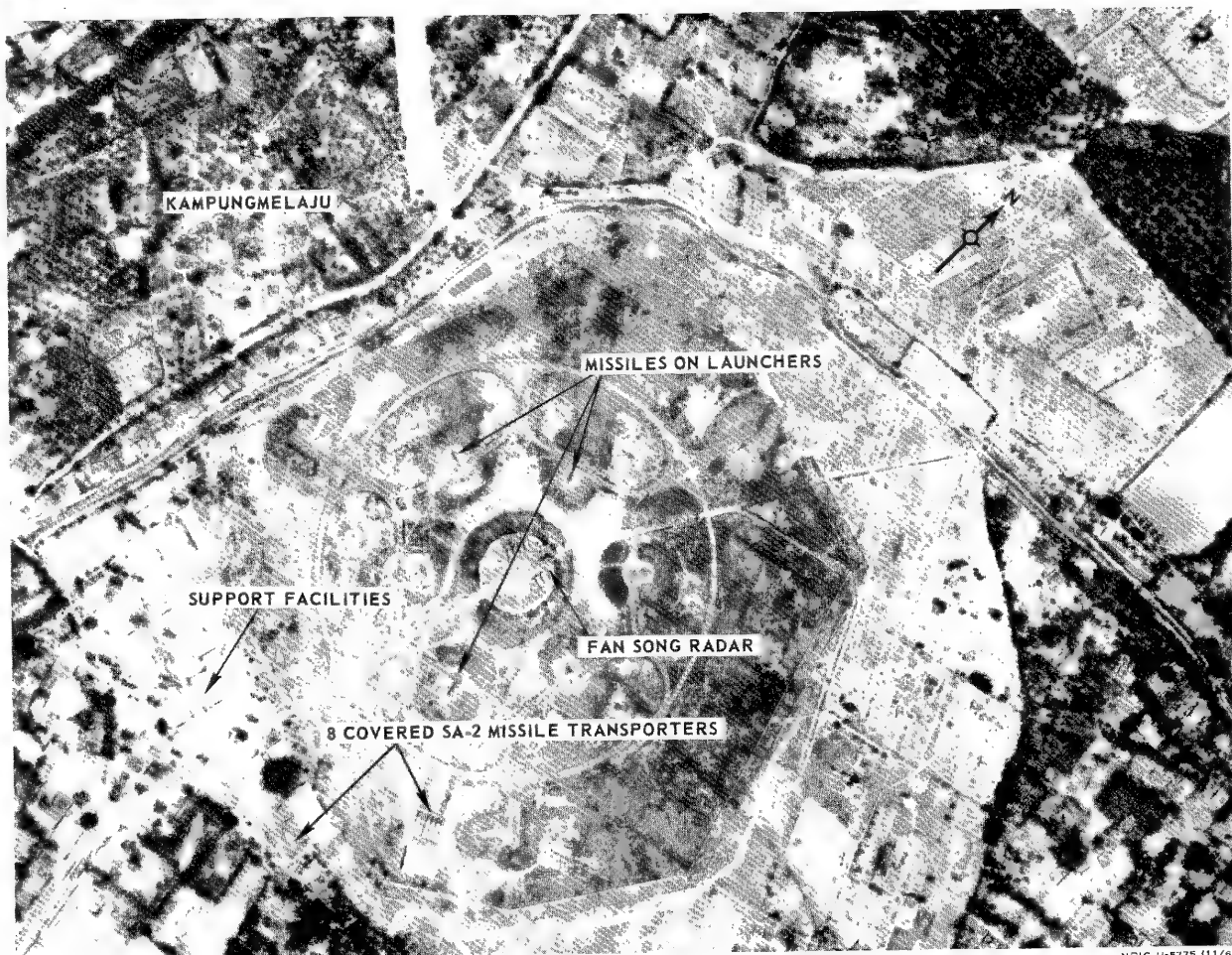
Following the photo reference data, symbols indicate conditions which affect the appearance of the installation on the photography. The symbols are: C (clear); SC (scattered clouds); HC (heavy clouds); SC-HC (scattered-to-heavy clouds); H (haze); CS (cloud shadow); D (darkness); SD (semidarkness); O (obliquity); S (snow); and PQ (poor image quality).

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ATTACHMENT 1



DJAKARTA SAM SITE B 29-2, INDONESIA.

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ATTACHMENT 2

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DJAKARTA SAM SITE B17-2, INDONESIA.

IPIC H-5768 (11/63)

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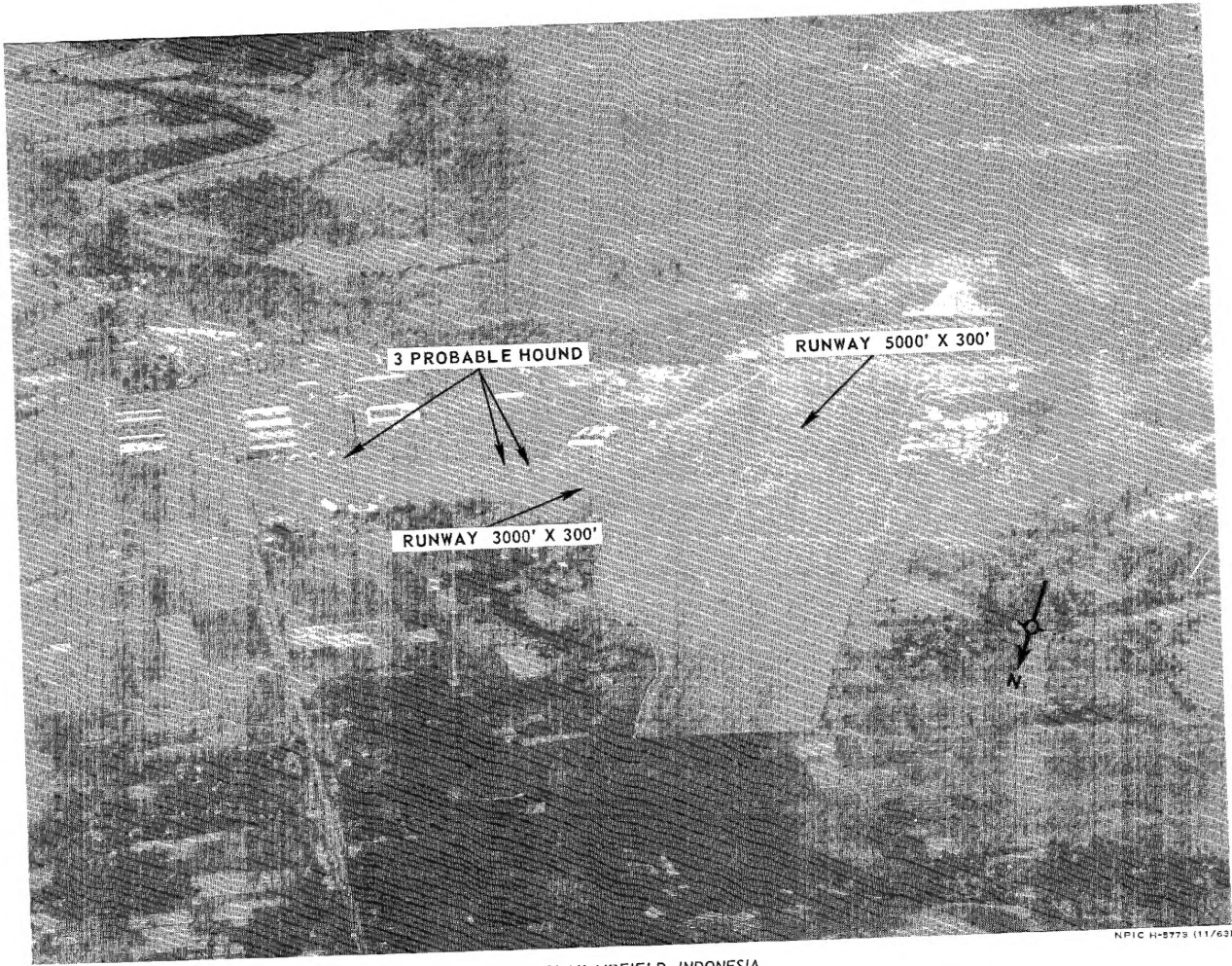
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ATTACHMENT 3



SEMPLAK AIRFIELD, INDONESIA.

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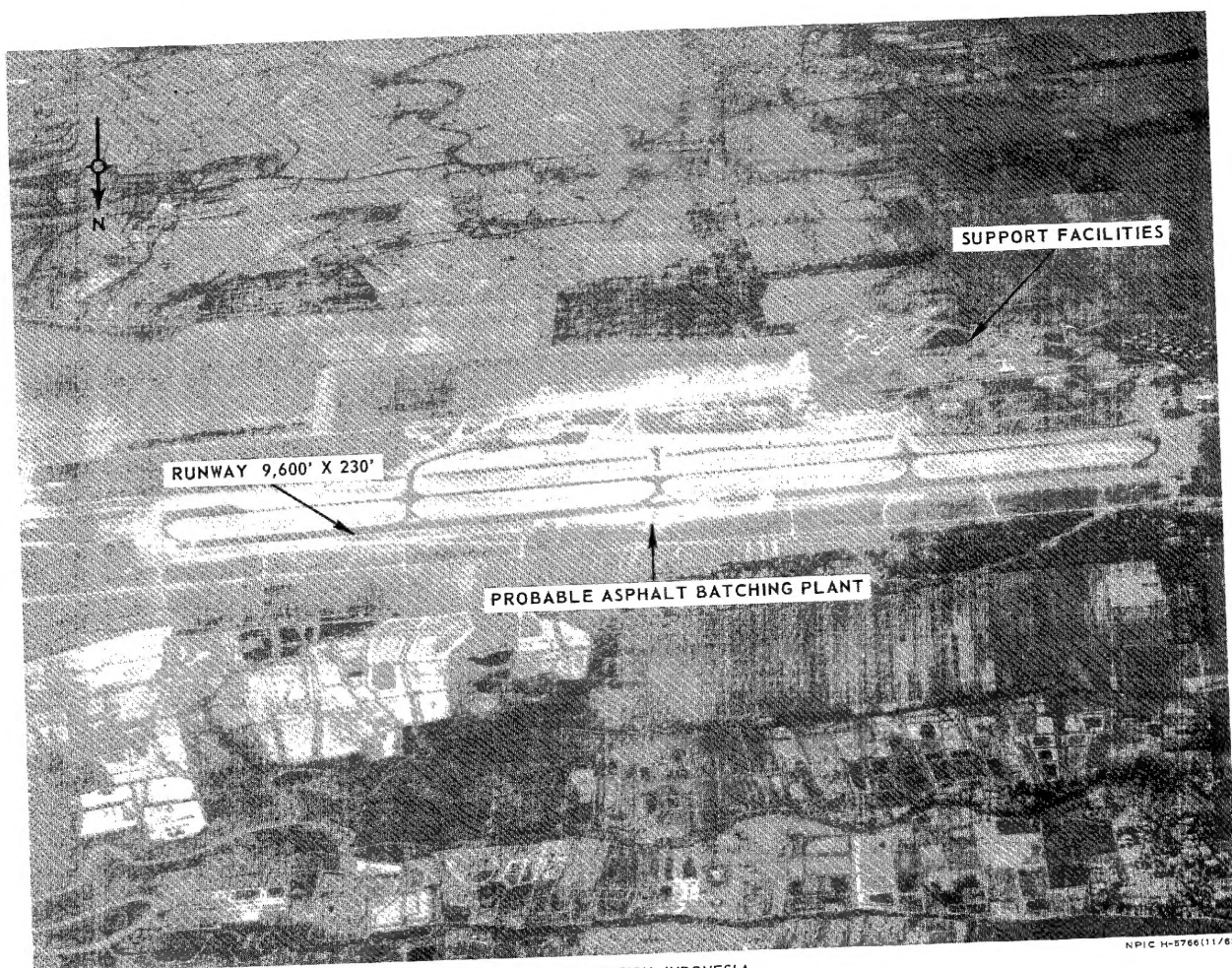
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ATTACHMENT 4



WARU NAVAL AIR STATION, INDONESIA.

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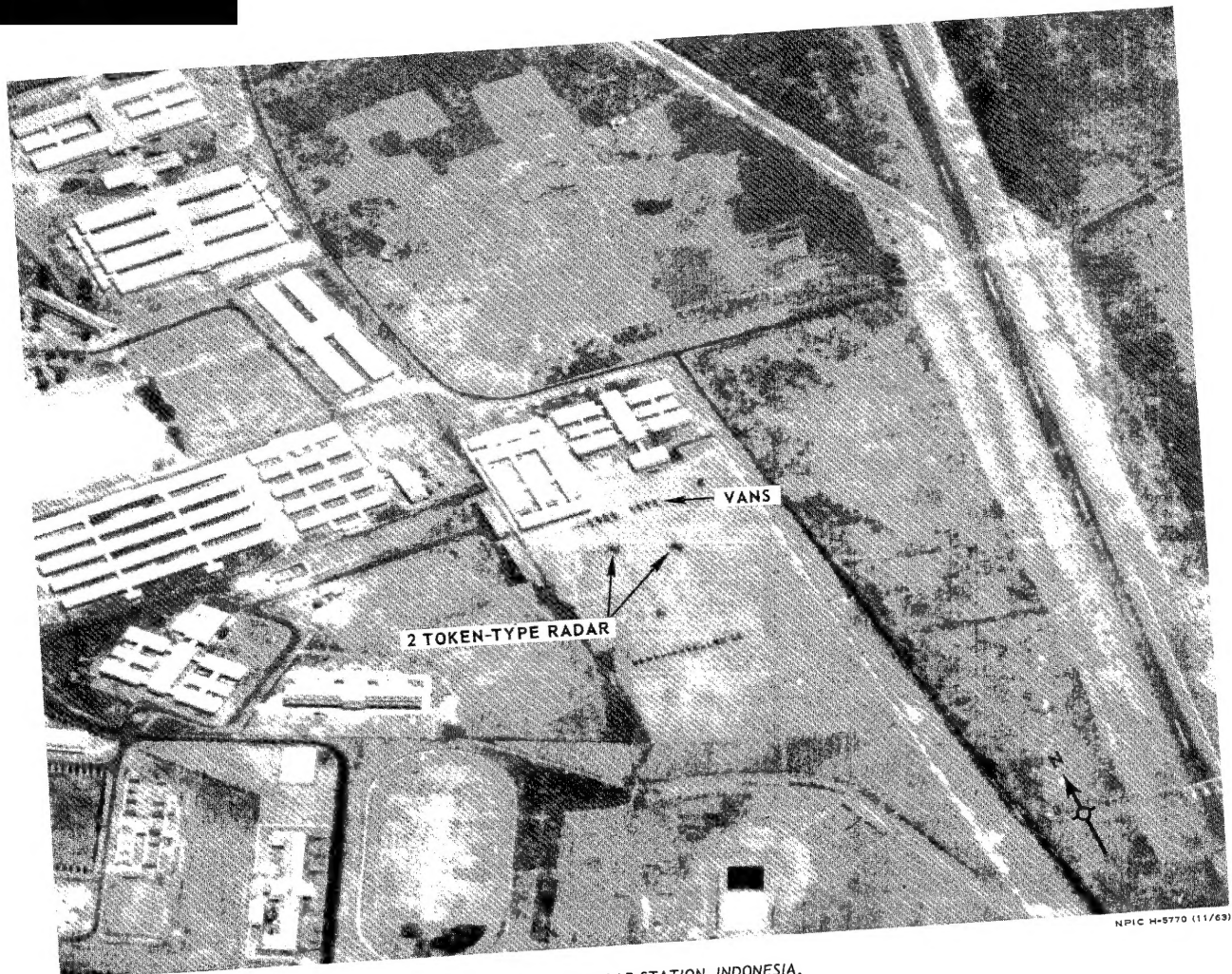
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NPIC H-5770 (11/63)
ATTACHMENT 5



SURABAJA RADAR STATION, INDONESIA.

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